

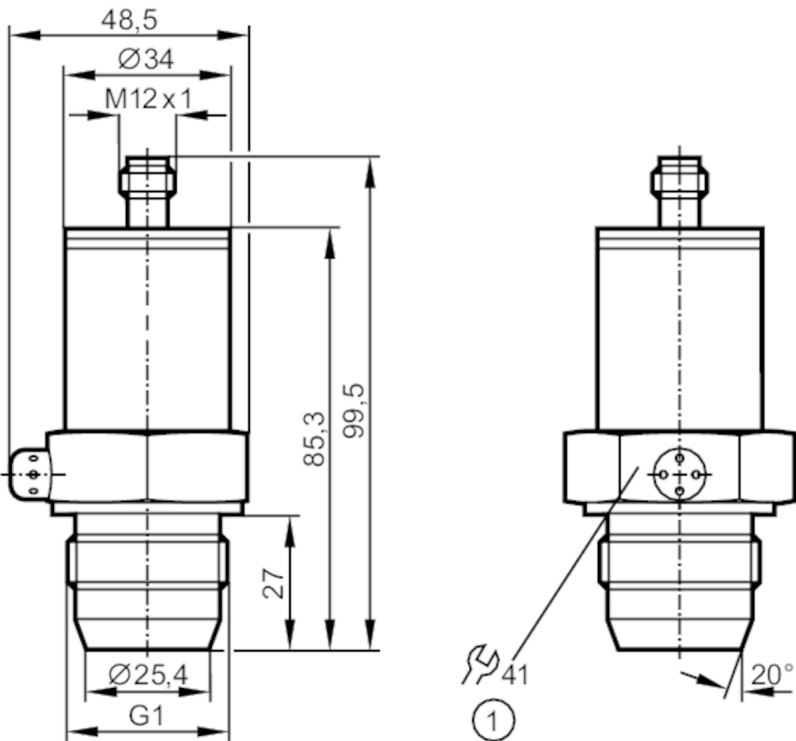


Flush pressure transmitter

PL-001BREA01-E-ZVG/US/ IP

Article no longer available - archive entry

Alternative articles: PM1607
When selecting an alternative article and accessories please note that technical data may differ!



1 Tightening torque 20 Nm



Product characteristics

Number of inputs and outputs	Number of analogue outputs: 1			
Measuring range	-0.05...1 bar	-50...1000 mbar	-0.7...14.5 psi	-5...100 kPa
Process connection	threaded connection G 1 external thread sealing cone			

Application

Special feature	Gold-plated contacts		
Application	flush mountable for the food and beverage industry		
Media	viscous media and liquids with suspended particles; liquids and gases		
Medium temperature [°C]	-25...80		
Min. bursting pressure	30000 mbar	450 psi	3000 kPa
Pressure rating	10000 mbar	145 psi	1000 kPa
Type of pressure	relative pressure		
No dead space	yes		

Electrical data

Operating voltage [V]	14...30 DC
Min. insulation resistance [MΩ]	100; (500 V DC)



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Protection class	III
Reverse polarity protection	yes
Measuring principle	hydrostatic

Inputs / outputs

Number of inputs and outputs	Number of analogue outputs: 1
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Outputs

Total number of outputs	1
Output signal	analogue signal
Number of analogue outputs	1
Analogue current output [mA]	4...20
Max. load [Ω]	550; (U _b = 24 V; (U _b - 13 V) / 20 mA)
Overload protection	yes

Measuring/setting range

Measuring range	-0.05...1 bar	-50...1000 mbar	-0.7...14.5 psi	-5...100 kPa
Analogue start point	-50...749 mbar	-0.7...10.9 psi	-5...74.9 kPa	
Analogue end point	200...999 mbar	2.9...14.5 psi	20...99.9 kPa	
In steps of	1 mbar	0.1 psi	0.1 kPa	
Factory setting		ASP = 0 mbar	AEP = 999 mbar	

Accuracy / deviations

Repeatability [X21]	< ± 0,1; (with temperature fluctuations < 10 K; Turn down 1:1)
Characteristics deviation [X21]	< ± 0,6; (Turn down 1:1, linearity, incl. hysteresis and repeatability, limit value setting to DIN EN IEC 62828-1)
Linearity deviation [X21]	< ± 0,5; (Turn down 1:1)
Hysteresis deviation [X21]	< ± 0,1; (Turn down 1:1)
Long-term stability [X21]	< ± 0,1; (Turn down 1:1; per year)
Temperature coefficient zero point [X22]	< ± 0,1; (0...80 °C)
Temperature coefficient span [X22]	< ± 0,2; (0...80 °C)

Response times

Max. response time analogue output [ms]	3
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Software / programming

Parameter setting options	zero point; span
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Interfaces

Communication interface	EPS
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Operating conditions

Ambient temperature [°C]	-25...80
Storage temperature [°C]	-40...100
Protection	IP 67

Tests / approvals

EMC	EN 61000-4-2 ESD	4 kV CD / 8 kV AD
	EN 61000-4-3 HF radiated	10 V/m
	EN 61000-4-4 Burst	2 kV
	EN 61000-4-6 HF conducted	10 V
Shock resistance	DIN IEC 68-2-27	50 g (11 ms)

PL2657



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Vibration resistance	DIN IEC 68-2-6	20 g (10...2000 Hz)
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Mechanical data

Weight	[g]	404
Materials	stainless steel (1.4404 / 316L); PEI; FKM	
Materials (wetted parts)	ceramics (99.9 % Al2O3); stainless steel (1.4435 / 316L); surface characteristics: Ra < 0,4 / Rz 4; PTFE	
Min. pressure cycles	100 million	
Process connection	threaded connection G 1 external thread sealing cone	

Remarks

Remarks	The 3-A qualification is only valid if adapters with 3-A qualification are used for installation.	
Pack quantity	1 pcs.	

Electrical connection

Connector: 1 x M12; coding: A; Contacts: gold-plated



Connection

